

CLAIMS

1. Wheel drive, particularly for an industrial lift truck, having a first electric prime mover (1) which via at least one spur gear transmission (4) drives an output (6) in direction of a traveling mechanism connected with a vehicle wheel (7), one second electric prime mover (8) the output shaft (9) of which communicates with the output (6) so that by rotation of the output shaft (9) the output (6) is made to rotate in direction of a steering motion and one brake (19) during the actuation of which in closing direction the drive wheel can be braked, characterized in that the first prime mover (1), the second prime mover (8) and the brake (19) are disposed co-axially in relation to the output shaft (9) of the second prime mover (8) and the brake (19) is situated between the first prime mover (1) and the second prime mover (8).

2. Wheel drive according to claim 1, characterized in that the output shaft (9) drives an inner central wheel (10) of a planetary transmission (11) whose planetary gears (12) are in operative connection with a first hollow gear (13) and a second hollow gear (14) which have different numbers of teeth, the first hollow gear (13) being in communication with one part of the vehicle and the second hollow gear (14) with one rotating part (16).

3. Wheel drive according to claim 2, characterized in that the planetary transmission (11) is disposed co-axially relative to the first prime mover (1).

4. Wheel drive according to claim 2, characterized in that the rotating part (16) is connected with a housing (17) of the output (6).

5. Wheel drive according to claim 1, characterized in that the first prime mover (1), the second prime mover (8) and the brake (19) are located in a common housing.

6. Wheel drive according to claim 1, characterized in that the brake (19) is actuatable in closing direction via spring tension and in opening direction via electromagnetic power or hydraulic power.

7. Wheel drive according to claim 6, characterized in that the spring tension is generated by at least one plate spring (26) on at least one spiral pressure spring (23).

8. Wheel drive according to claim 1, characterized in that the brake (19) is designed as liquid-cooled brake.

9. Wheel drive according to claim 1, characterized in that the brake (19) is designed as a dry-operating disc brake, the sealing means being situated between the brake (19) and one reduction gear (4).

10. Wheel drive according to claim 1, characterized in that the first prime mover (1) has one drive shaft (2) which is connected with the brake via connecting means such as engaging gears or a fitting spring.